

ART 34

CLAIMS

5 1. An isolated or recombinant DNA sequence coding for a mammalian, including human, glucuronyl C5-epimerase, or a functional derivative of said DNA sequence, capable of converting D-glucuronic acid (GlcA) to L-iduronic acid (IdoA) constituted by a nucleotide sequence comprising nu-  
10 cleotide residues 1 to 1404, inclusive, as depicted in the sequence listing.

2. A DNA sequence according to claim 1 consti-  
tuted by a nucleotide residue comprising nucleotide resi-  
dues 73 to 1404, inclusive, as depicted in the sequence  
15 listing.

3. A DNA sequence according to claim 2 consti-  
tuted by a nucleotide residue comprising nucleotide resi-  
dues 1 to 1404, inclusive, as depicted in the sequence  
listing.

20 4. A recombinant expression vector containing a transcription unit comprising a DNA sequence according to ~~any one of the preceding claims~~ <sup>claim 1</sup>, a transcriptional pro-  
moter, and a polyadenylation sequence.

5. A recombinant expression vector according to  
25 claim 4, characterized in that the vector is a Baculovirus.

6. A host cell transformed with the recombinant  
expression vector of claim 4 ~~or 5~~.

7. A process for the manufacture of a glucuronyl  
C5-epimerase or a functional derivative thereof capable of  
30 converting D-glucuronic acid (GlcA) to L-iduronic acid (IdoA), comprising cultivation of a host cell transformed with a recombinant expression vector according to claim 4  
~~or 5~~ in a nutrient medium allowing expression and secretion

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of said epimerase or functional derivative thereof.

8. A glucuronyl C5-epimerase (or a functional derivative thereof whenever prepared by the process of claim 7.

add 91  
add 92

add  
D6

add  
B3

668707-692E0460

AMENDED SHEET